

Title (en)  
MODULE COVER FOR AIR BAG DEVICE

Publication  
**EP 0487753 A4 19930203 (EN)**

Application  
**EP 91911366 A 19910619**

Priority  
• JP 9100821 W 19910619  
• JP 16179890 A 19900620

Abstract (en)  
[origin: WO9119630A1] A module cover for an air bag device having a recess caused by sink occurring near a tear line at the time of hardening of an outer layer and made inconspicuous, and having a flat outer surface and a superior external appearance, which is composed of an inner hard layer and outer soft one, provided with an extending tear line for starting tearing having a ridge-like projection (1C) rising from the inner layer (1A) at the boundary surface (20) between the inner layer (1A) and outer one (1B) as well as having a groove (2A) recessed in the inner surface of the module cover, said ridge-like projection (1C) being trapezoidal in cross-section in the direction perpendicular to the extending direction thereof and an angle between the slant surface (1E) of the frustum and said boundary surface (20) near the ridge-like projection being 30 or under.

IPC 1-7  
**B60R 21/20**

IPC 8 full level  
**B29C 45/14** (2006.01); **B29C 45/26** (2006.01); **B29C 59/00** (2006.01); **B60R 21/20** (2011.01); **B60R 21/2165** (2011.01)

CPC (source: EP KR)  
**B29C 59/007** (2013.01 - EP); **B60R 21/16** (2013.01 - KR); **B60R 21/21656** (2013.01 - EP); **B29L 2031/3038** (2013.01 - EP)

Citation (search report)  
• [A] DE 9001948 U1 19900607  
• [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 459 (M-770)(3306) 2 December 1988 & JP-A-63 184 548 ( TOYODA GOSEI ) 30 July 1988  
• See references of WO 9119630A1

Cited by  
EP0590779A1; EP0588176A3; EP0930202A3; DE4135168A1; DE4409405C5; EP0844143A1; DE102007060584A1; US6505850B2; US11225217B2; EP0741062A3; EP3708437A1; CN111688625A; WO9849033A1; EP1970183A2; DE102007011842A1

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